



Transforming Data Operations for Innovation & Compliance

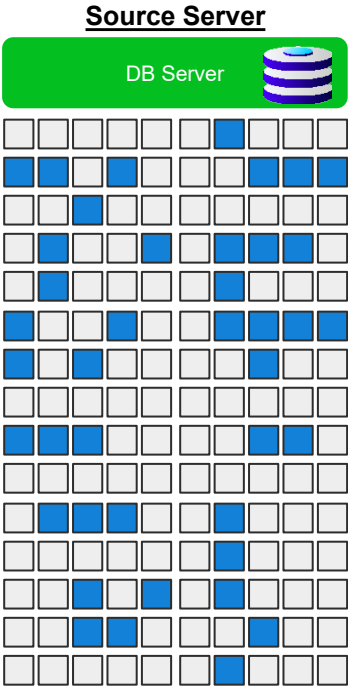
Gary Hallam | 10th November 2025

The Magic of Block Sharing

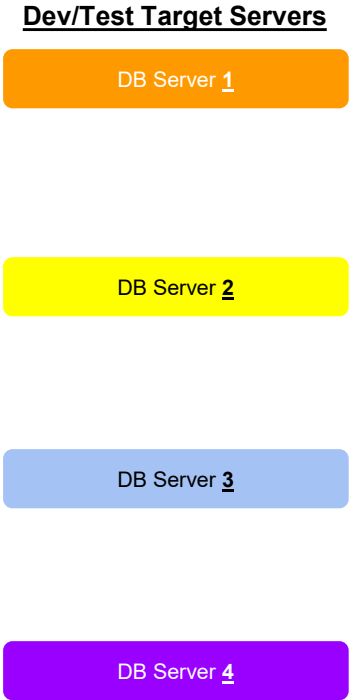


Block Sharing Magic

Lightweight Data, Fast...

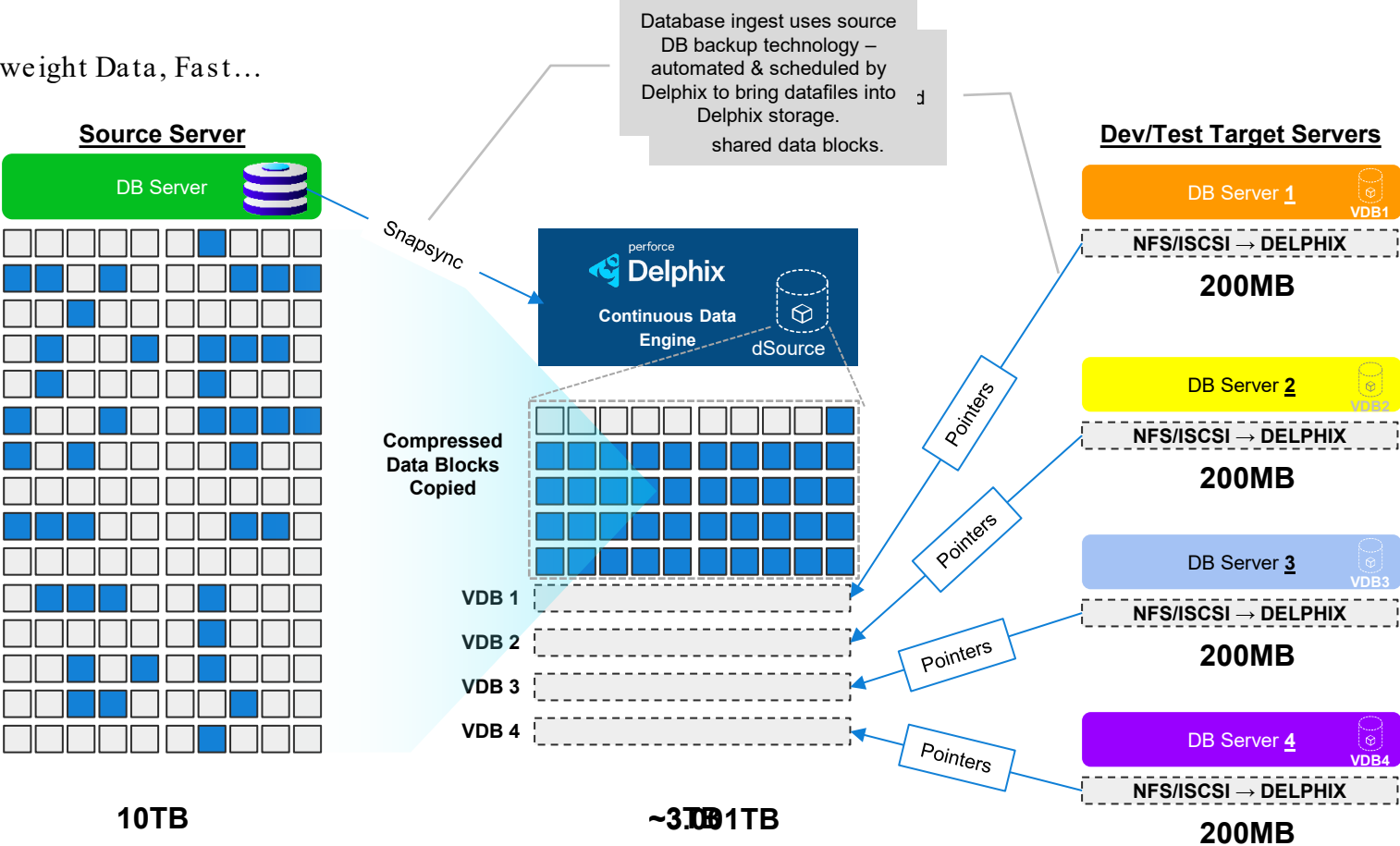


Storage Blocks
10TB



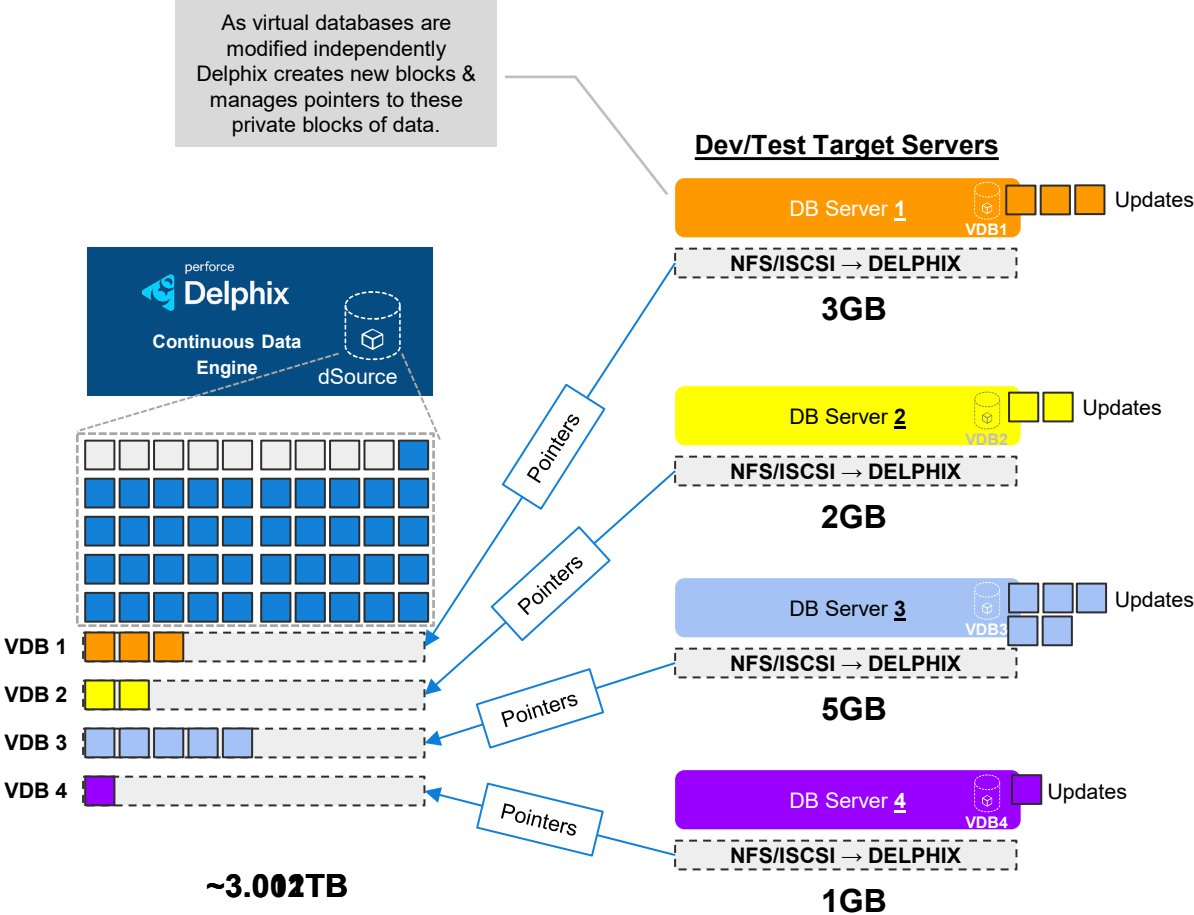
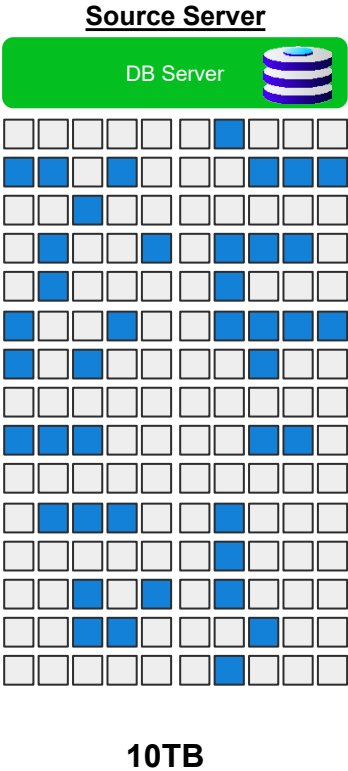
Block Sharing Magic

Lightweight Data, Fast...



Block Sharing Magic

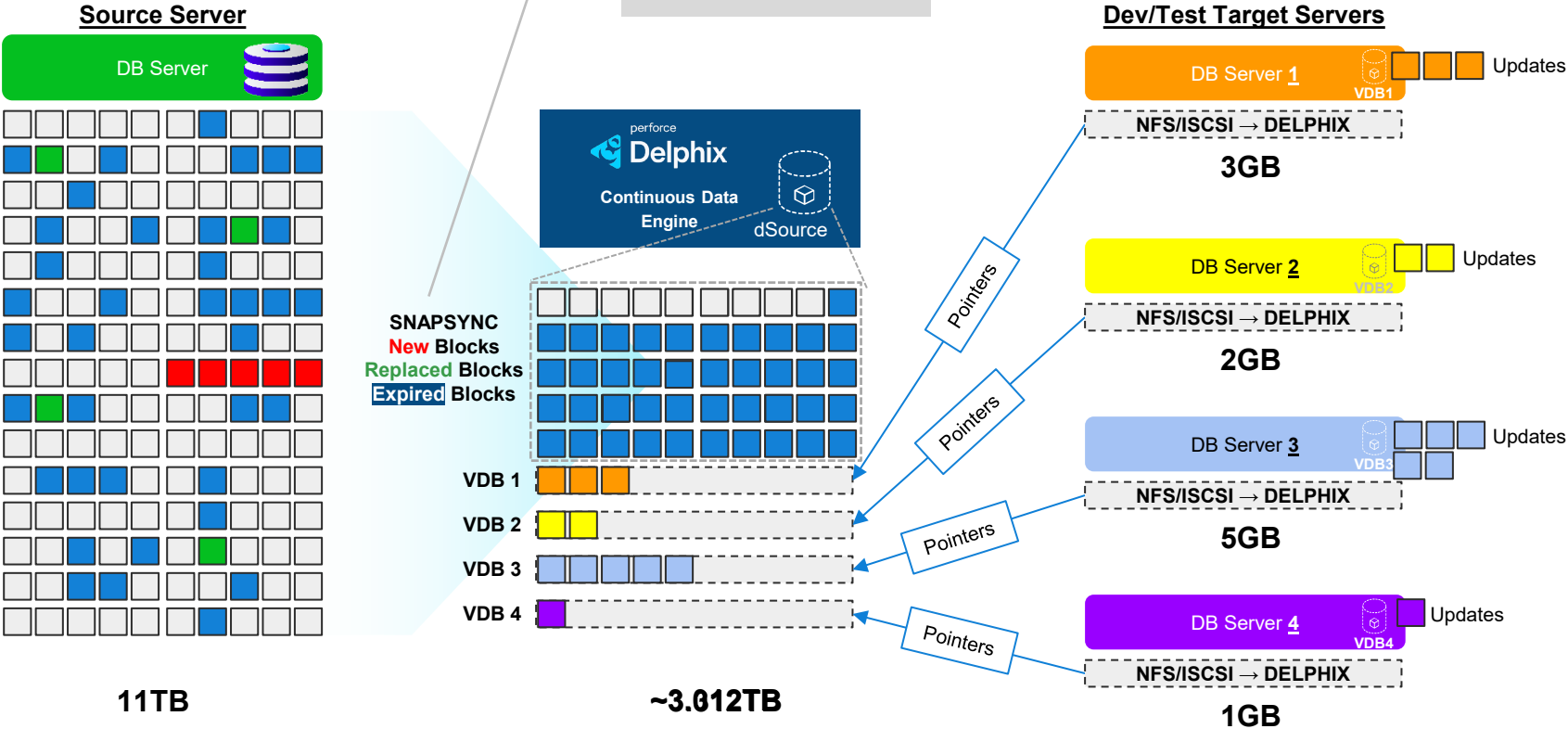
Lightweight Data, Fast...



Block Sharing Magic

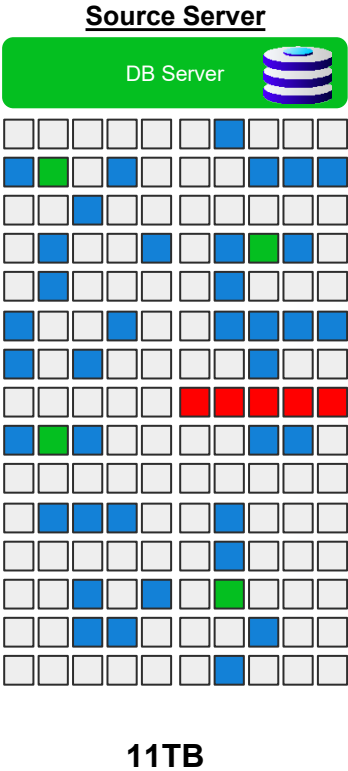
Lightweight Data, Fast...

Incremental ingest –
automated on policy, manually
started or run by API.
Blocks expired on retention
period.

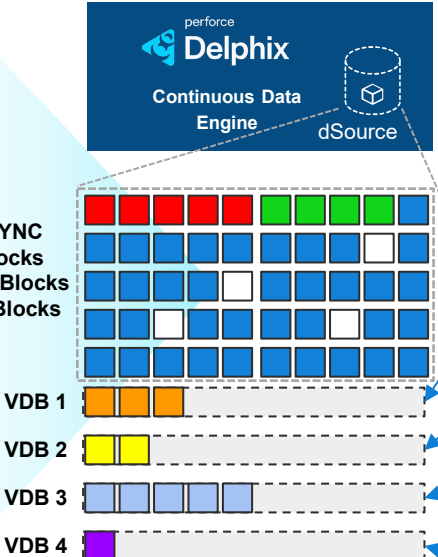


Block Sharing Magic

Lightweight Data, Fast...

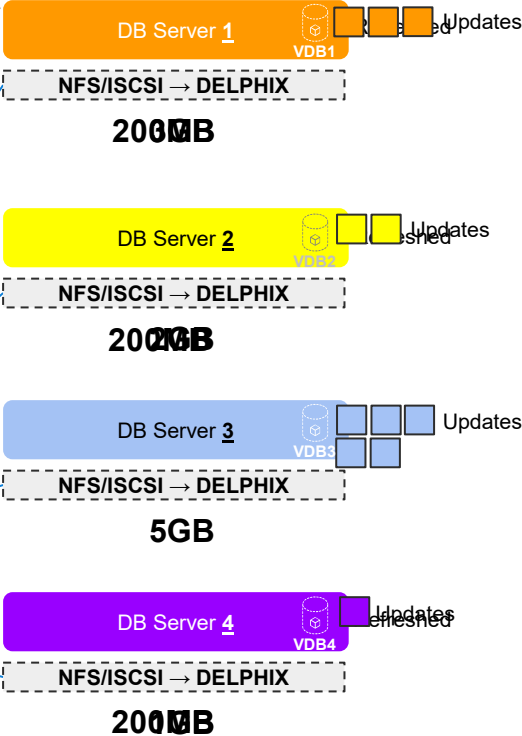


SNAPSYNC
New Blocks
Replaced Blocks
Expired Blocks



As VDB's are refreshed,
private blocks can be "freed".

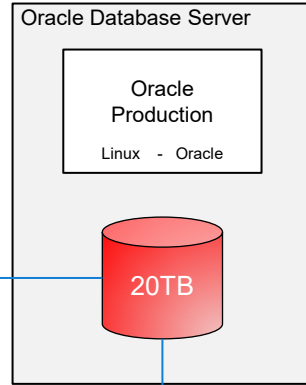
Dev/Test Target Servers



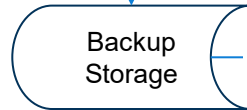
Example Non-production refresh process

1. Refresh from production takes between 24 & 36 hours (manual & error prone)
2. Shutdown & remove physical database to free storage

Production



Backup

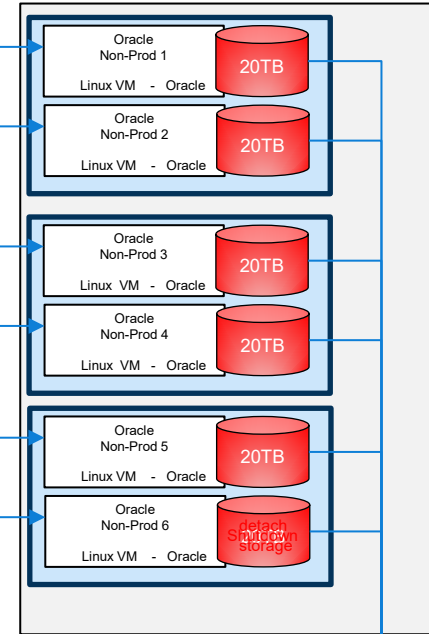


Transfer / Restore

Production
SSD Storage
Array

24 – 36 hour process

Non-Production

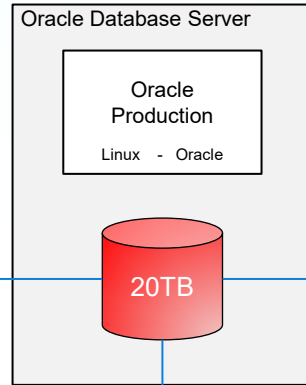


Physical DB
120 TB

Non-Prod
Storage Array
(all Flash)

Delphix Transformation

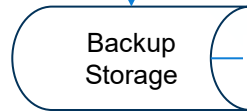
Production



3. Import & configure Delphix Engine & assign storage
4. Provision VDB to available Oracle target server

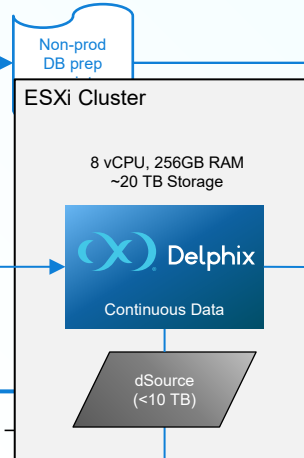
RMAN initial Full &
then Incremental
Backup forever

Backup

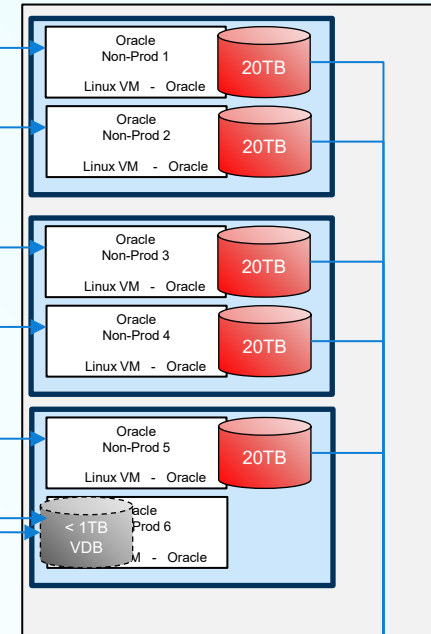


Transfer / Restore

Production
SSD Storage
Array



Non-Production



Physical DB
100 TB

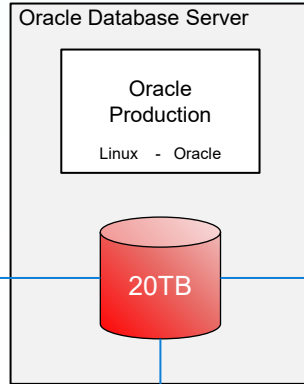
Non-Prod
Storage Array
(all Flash)

24 - 36 hour process

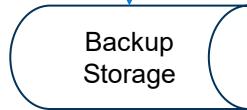
Less than 1 hour process
(~10 min provision + non-prod scripting)

Delphix Transformation

Production



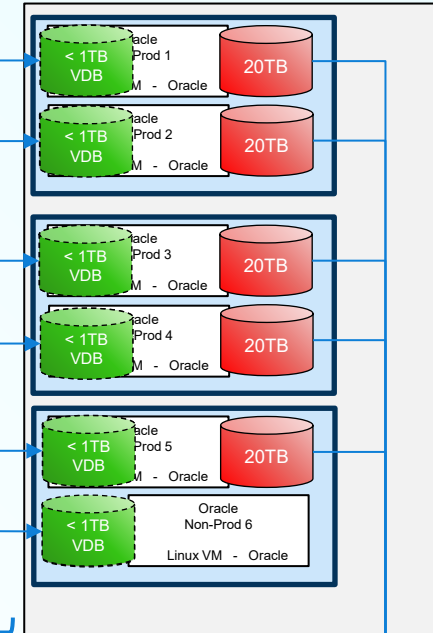
Backup



RMAN initial Full &
then Incremental
Backup forever

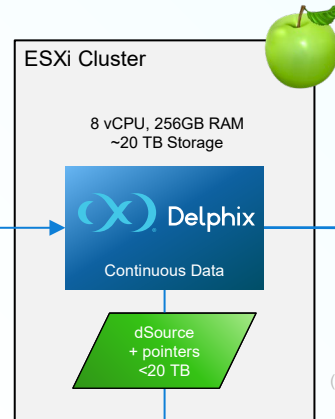
5. Each physical database replaced by VDB **yields 19TB** storage
6. Each provision saves up to 35 hours processing/wait time
7. Refreshing/provisioning 6 databases returns 6 to 9 days!
8. Storage efficiency can also represent sustainability

Non-Production



Less than 1 hour process
(~10 min provision + non-prod scripting)

- 83% Storage Reduction
- 97% Wait-time Reduction
- 100% Innovation – “through the roof”



16 TB

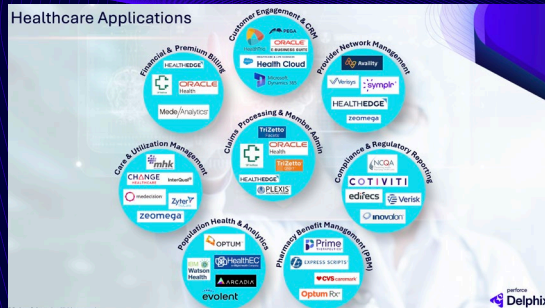
Non-Prod
Storage Array
(all Flash)

South African Healthcare Customer



Delphix Value for Healthcare

- Huge 60+TB Oracle Databases
- Daily Automated refreshes
- High Availability
- MSSQL Databases & E-Business Suite Full Stack
- Infrastructure upgrades
- Data Centre Migrations
- DBA & Developer Toil
- Portability



Speed and Efficiency

Faster Deployment...



Saudi Insurance Customer



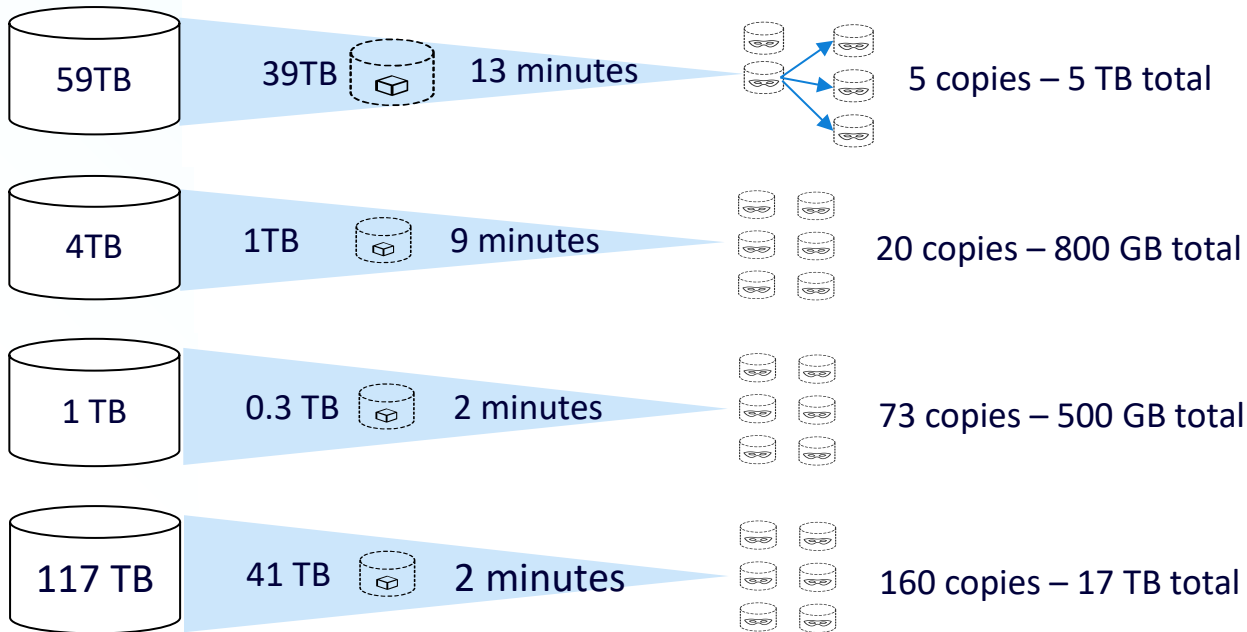
African Financial Customer



African Banking Customer

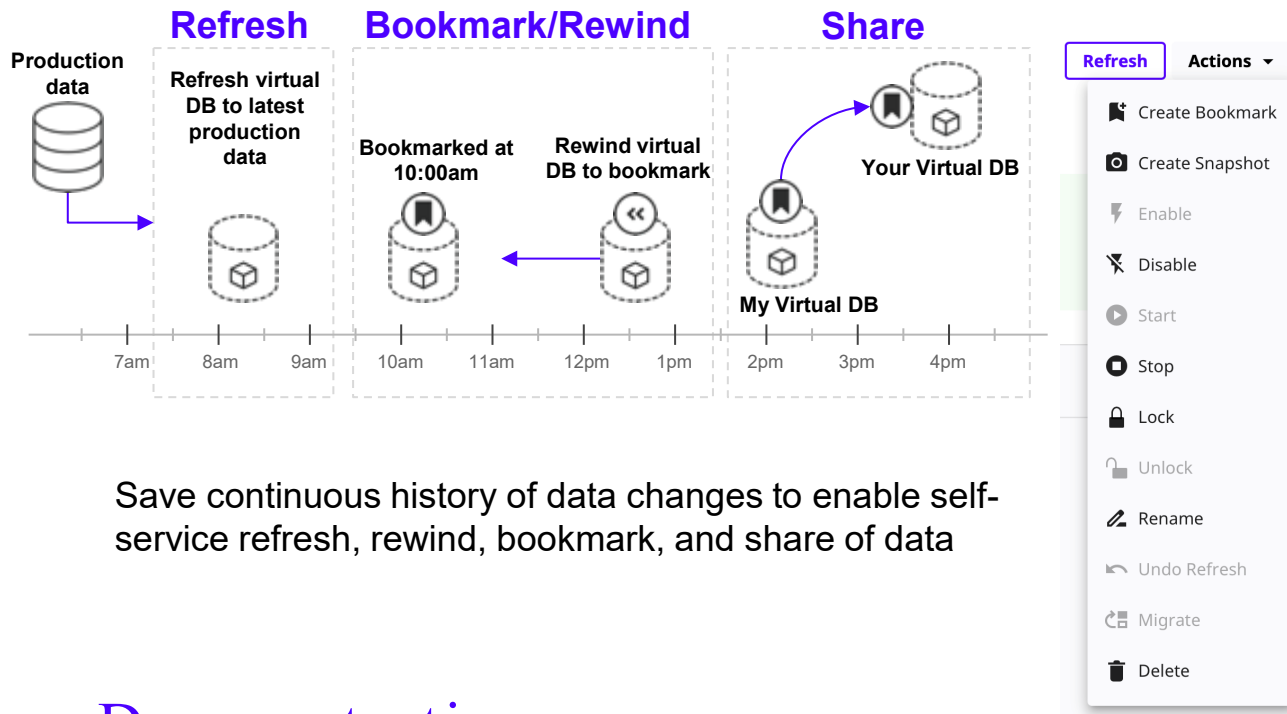


Danish Pension Customer



“From 1 hour per TB to less than 1 minute per TB”

Developer & Tester Autonomy



Save continuous history of data changes to enable self-service refresh, rewind, bookmark, and share of data

Demonstration

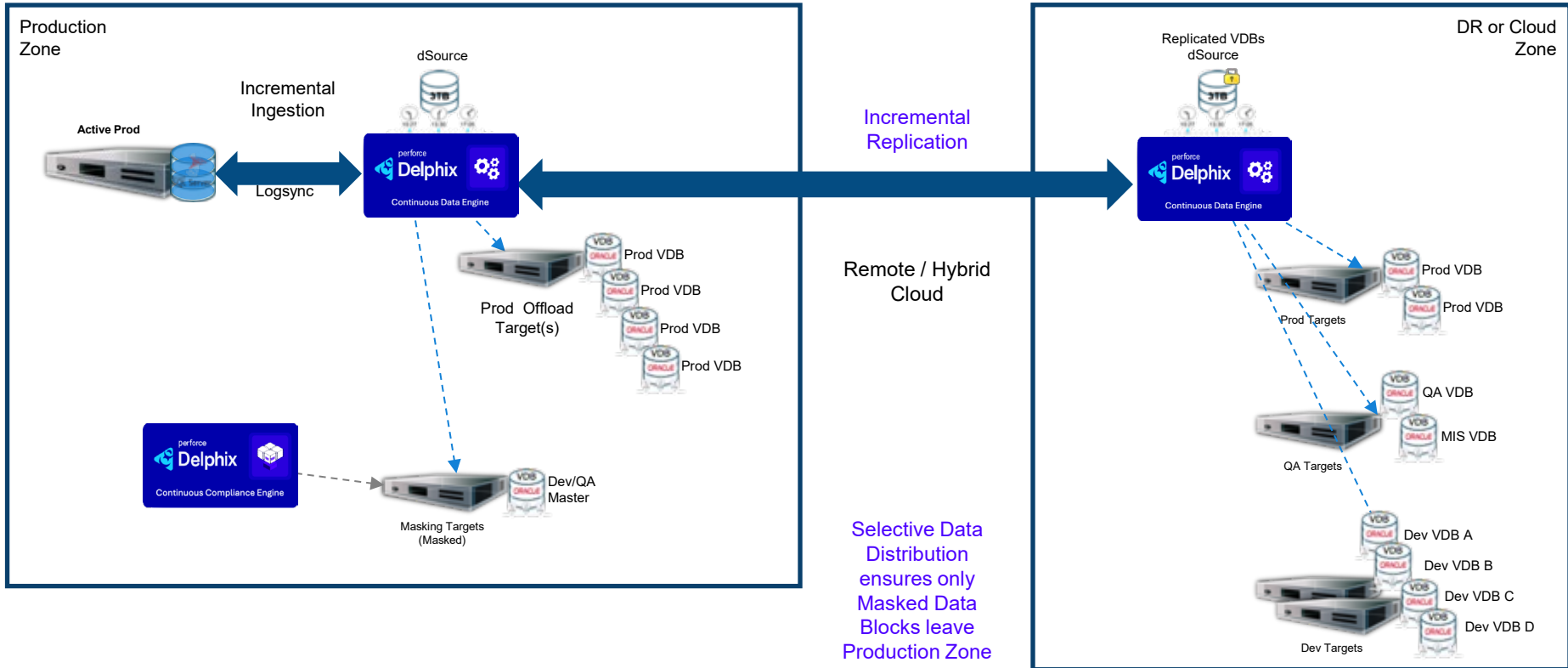
Enable multiple versions of data for

- Destructive testing
- Alpha/Beta experiments
- Parallel application development
- Sharing data with different users

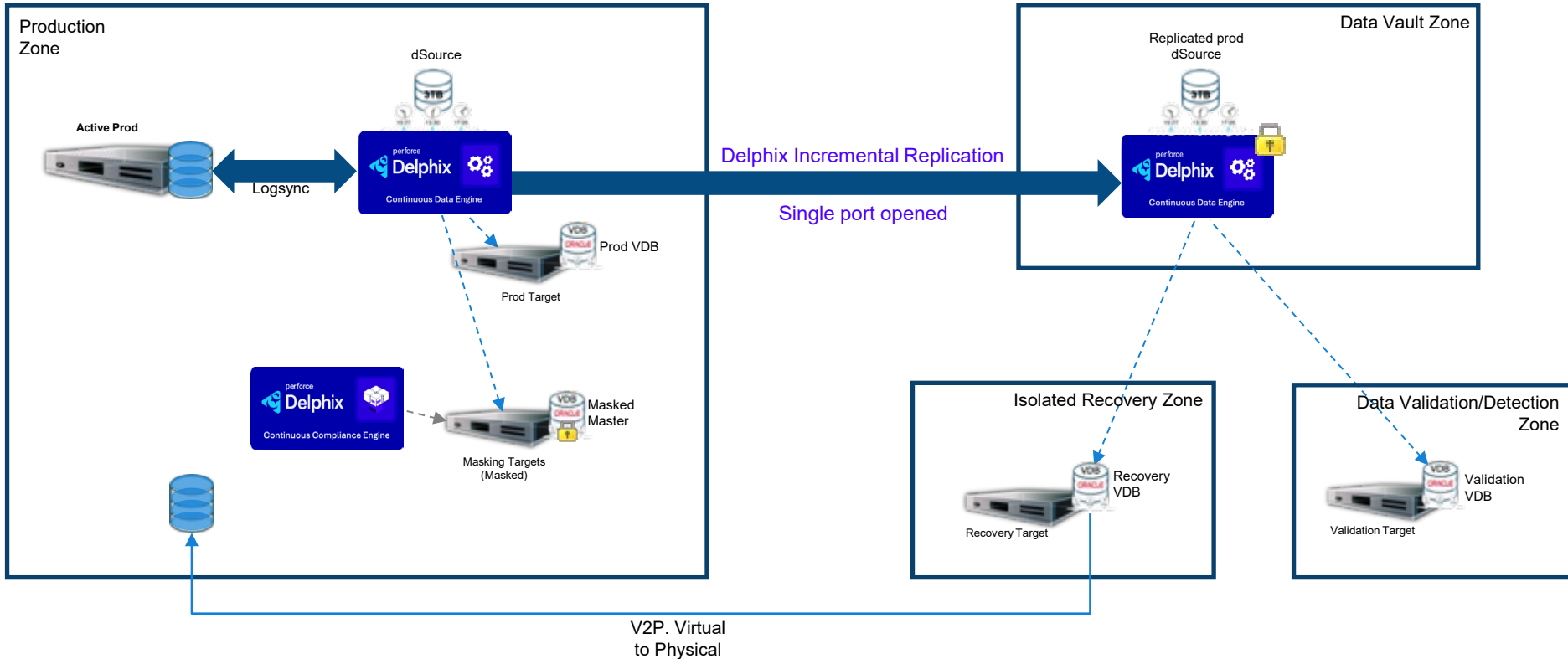
Give end users power to control data

- Version point-in-time data down to the second or transaction
- Enable unlimited independent data environments
- Deliver data to unique personas up to 100x faster

Incremental Data Replication / Synchronisation



Operational Resilience



Questions?

